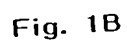


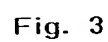
1 MELALCRWG LLLALLPBG ASTQVCTGTD MKLRLPASPE THLDMRLHY QGCQVQGNL ETTYLPYNAS LSLQDIOEV QGYVLIAHNQ VRQVPLQRLR
101 IVRGTQLFED NYALAVLDNG DPLNNTTBYT GASPGLREL QLRSLTELK GGVLIQRNPQ LCYQDTILWK DIFHKNNQLA LTLIDTNRSR ACHPCSPMCK
201 GSRCWGESE DCQSLTRIVC AGGCARCKGP LPTDCHEQC AAGCTGPKHS DCLACLHNH SGICELHCPA LVTYNTDTFE SMPNPEGRYT FGASCVTACP
301 YNYLSTDVGS CTLVCPLHNQ EVTAEDGTQR CEKSKPCAR VCYGLGMEHL REVRAVTSAN IQEFAGCKKI FGSLAFLPES FDGDPAASNTA PLQPEQLQVF
401 ETLLEITGYL YISAWPDSL PLSVFQNLQV IRGRILHNGA YSLTLQGLGI SWGLRSLRE LSGLALIH NHLCFVHTV PWDQLFRNPH QALLHTANRP
501 EDECVGEGLA CHQLCARGHC WGPPTQCVN CSQFLRGQEC VEECRVLQGL PREYVNAHHC LPHCECQBPQ NGSVTCFGPE ADQCVACAHY KDBPFCVARC
601 PSGVKPDLSTY MPIWKEPDDEE GACQPCPINC THSCVDLDDK GCPAE (SEE ID NO: 13)

Fig. 1A

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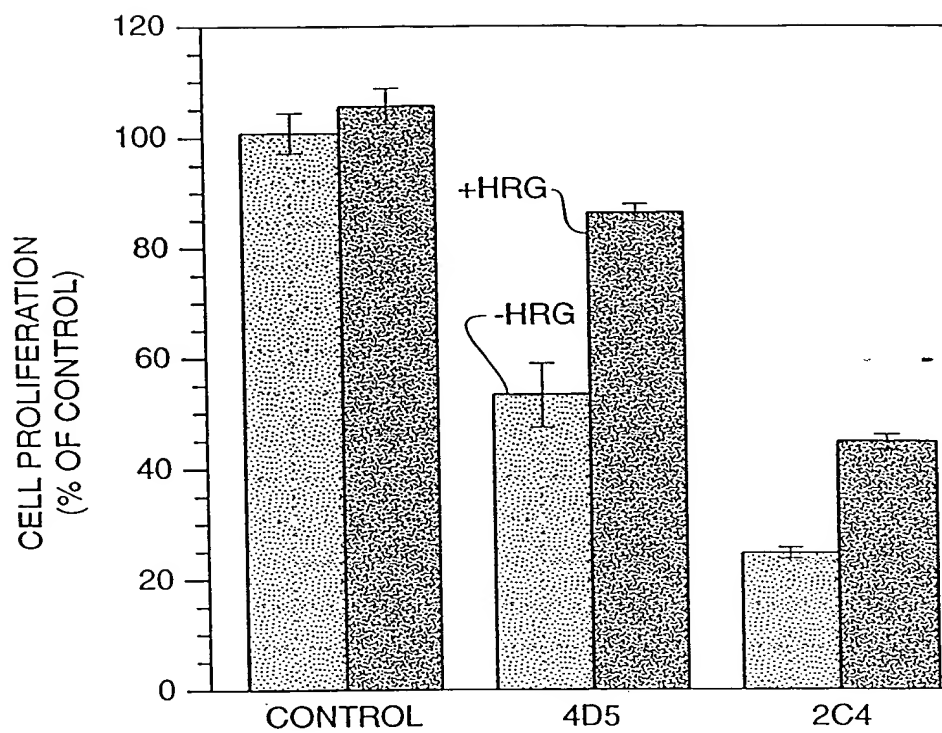


Fig. 4A

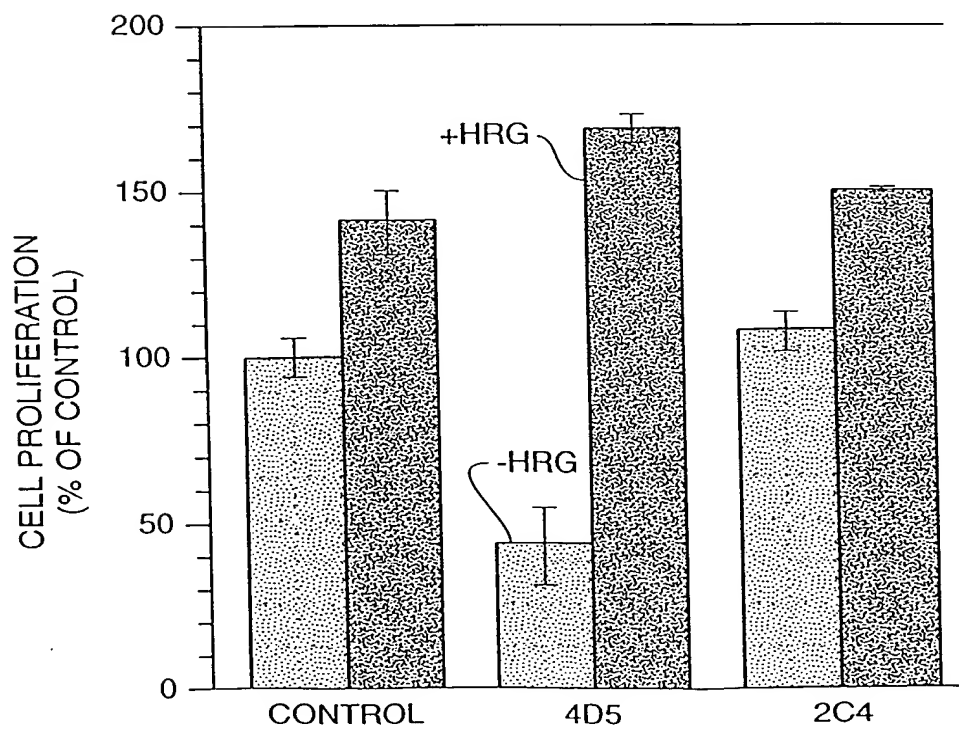


Fig. 4B

Fig. 5A

MCF7
Low/Normal HER2

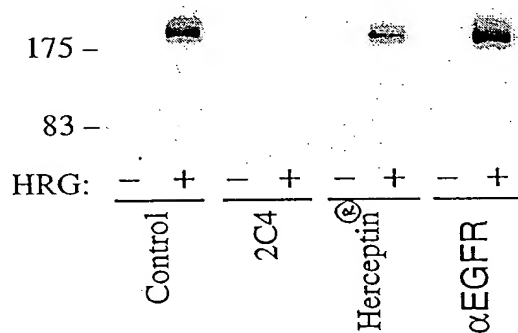
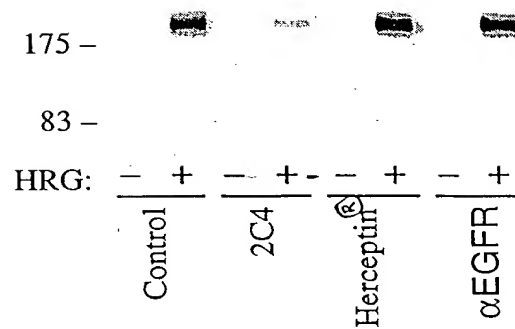


Fig. 5B

SK-BR-3
High HER2



IP: α HER2
WB: α HER3

Concentration (nM)	% of Total ^{125}I Binding (chimeric 2C4 Fab)	% of Total ^{125}I Binding (mu 2C4)
0.01	~96	~101
0.1	~96	~101
0.3	~90	~98
1.0	~90	~90
3.0	~76	~66
10.0	~54	~46
30.0	~31	~30
100.0	~25	~24
200.0	~25	~29

Figure 1 is a semi-logarithmic plot showing the relative p180 tyrosine phosphorylation (%) on the y-axis (ranging from 0 to 120) versus the concentration of mu 2C4 or chimeric 2C4 Fab (nM) on the x-axis (ranging from 0.01 to 1000). The graph displays two curves: mu 2C4 (represented by open circles) and 2C4 Fab (represented by filled squares). Both curves show a decrease in relative p180 tyrosine phosphorylation as the concentration of the antibody increases. The 2C4 Fab curve is shifted to the left of the mu 2C4 curve, indicating a higher affinity for p180.

Concentration (nM)	mu 2C4 (%)	2C4 Fab (%)
0.01	100	100
0.1	98	90
0.3	95	95
1	88	102
3	75	98
10	32	78
30	25	35
100	15	20
200	10	25

Fig. 6B

[illegible][illegible][illegible][illegible]

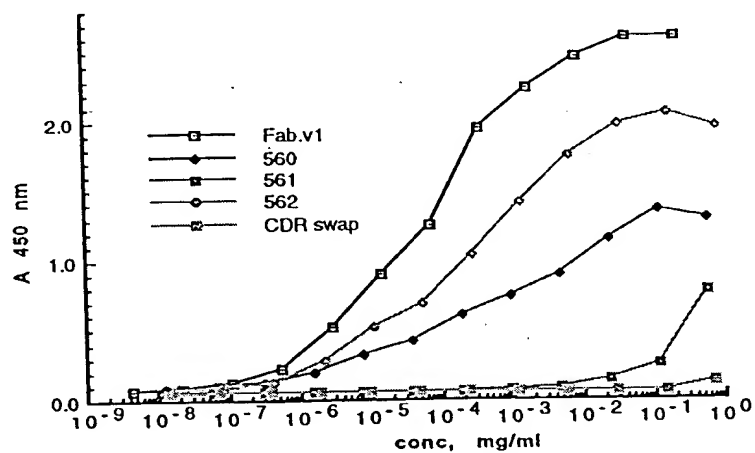


Fig. 8A

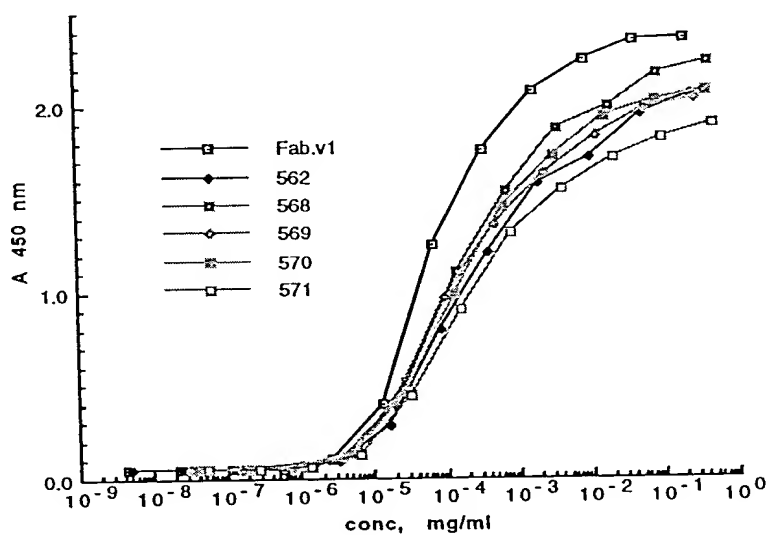


Fig. 8B

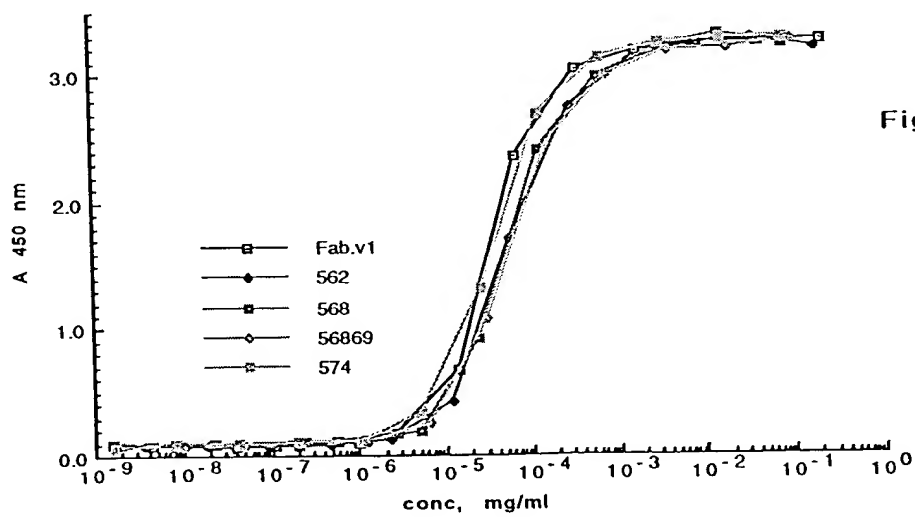


Fig. 8C

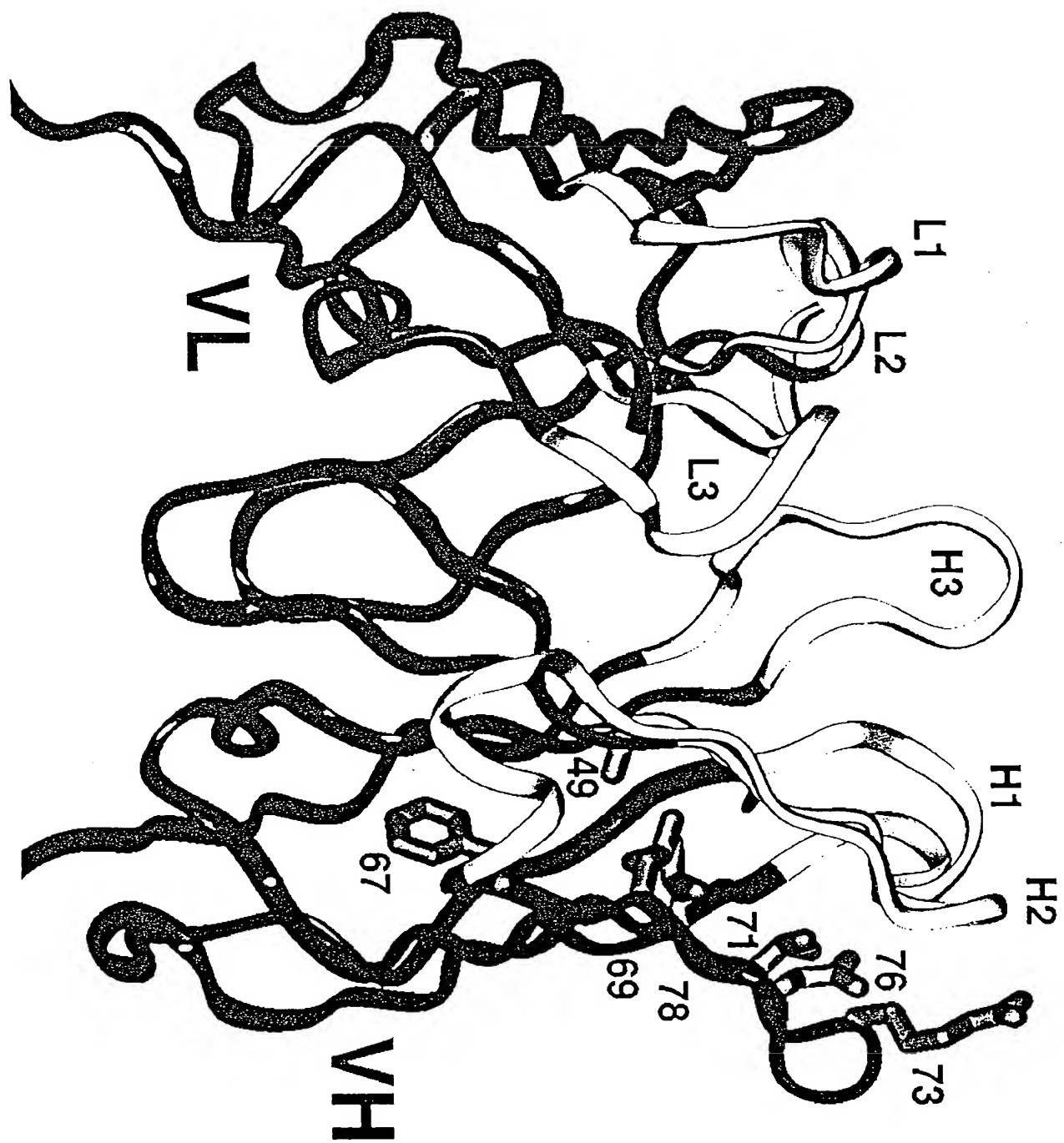
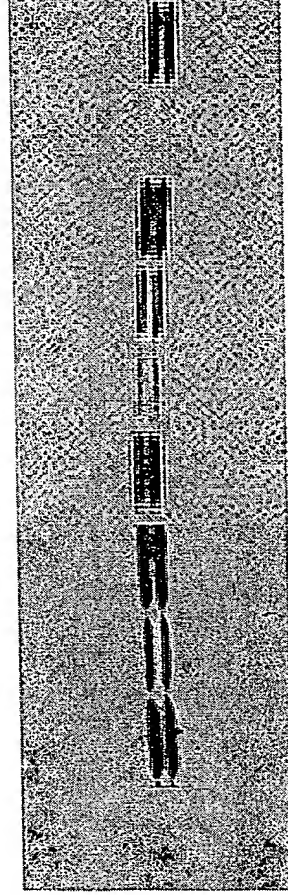


Fig. 9

Fig. 10



EGF	-	+	+	+	-	-	-	-	-	-	-
TGFα	-	-	-	-	+	+	+	-	-	-	-
HRG	-	-	-	-	-	-	-	-	+	+	+
2C4	-	-	+	-	-	+	-	-	-	+	-
HERCEPTIN [®]	-	-	-	+	-	-	+	-	-	-	+

Average Tumor Volume, mm³

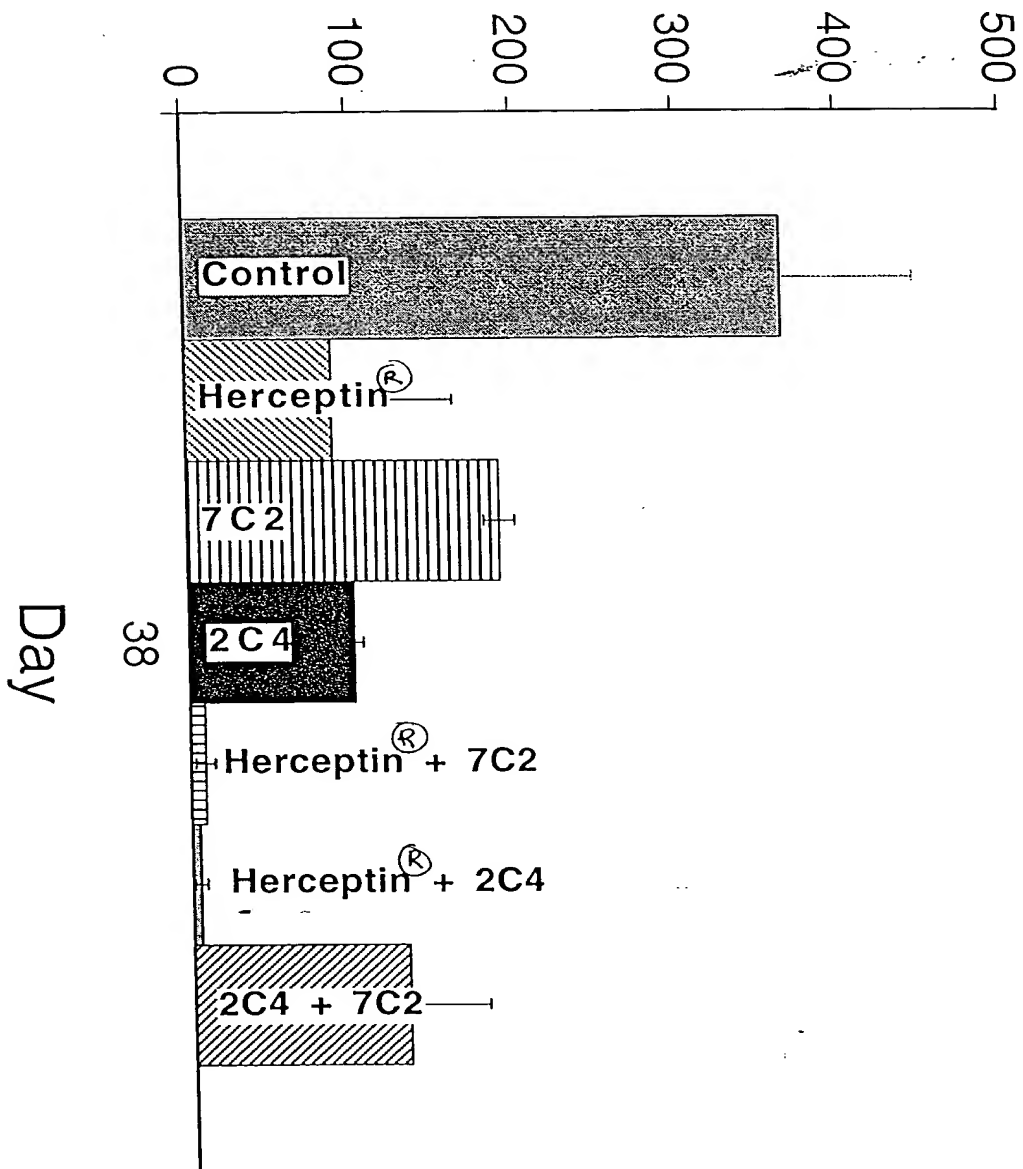


Fig. 11
Effect of 7C2 and 2C4 on tumor growth in combination with Herceptin[®]

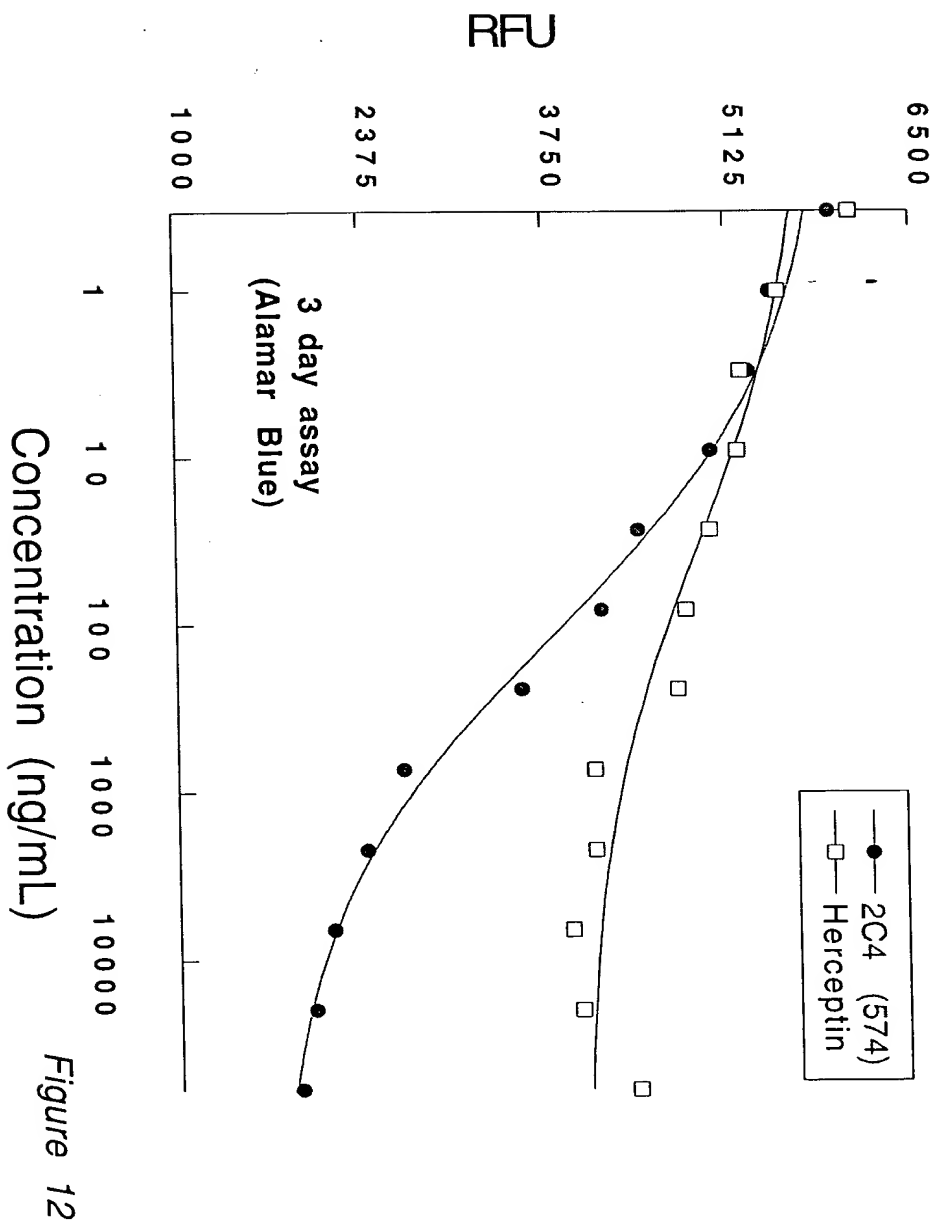


Figure 12

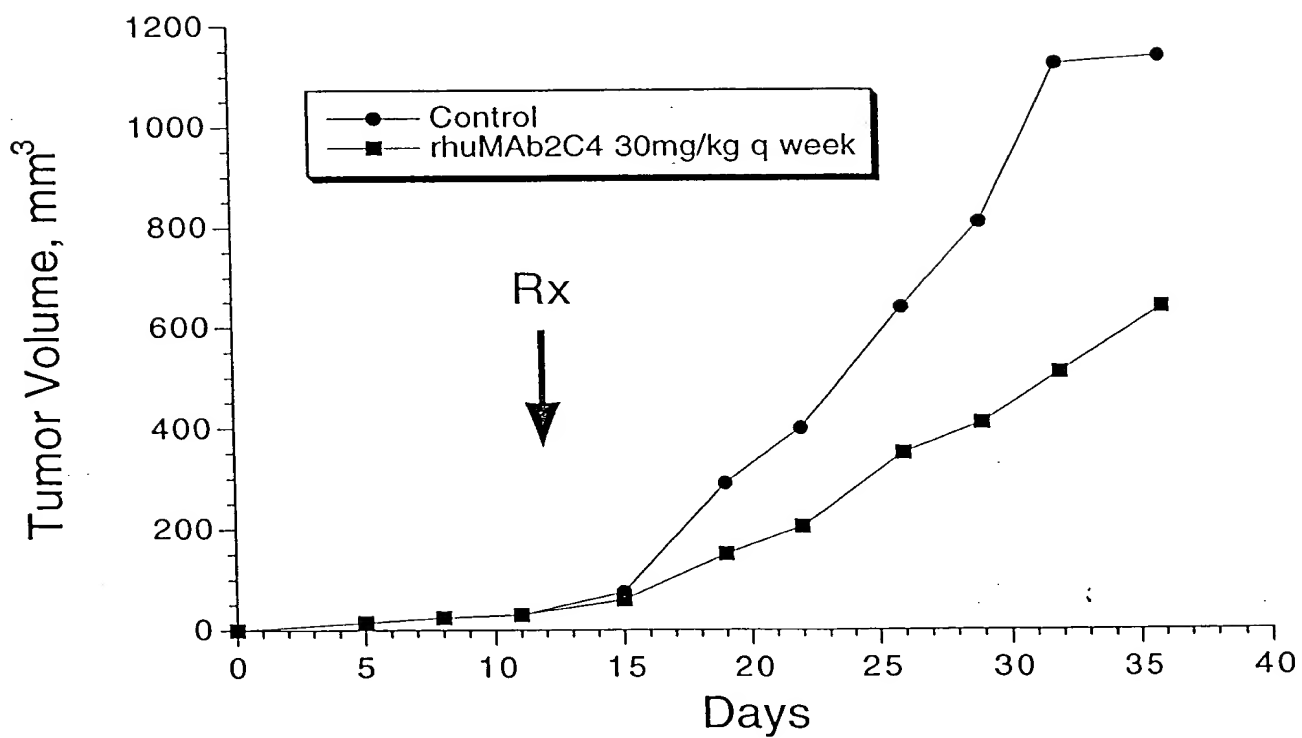


Fig. 13